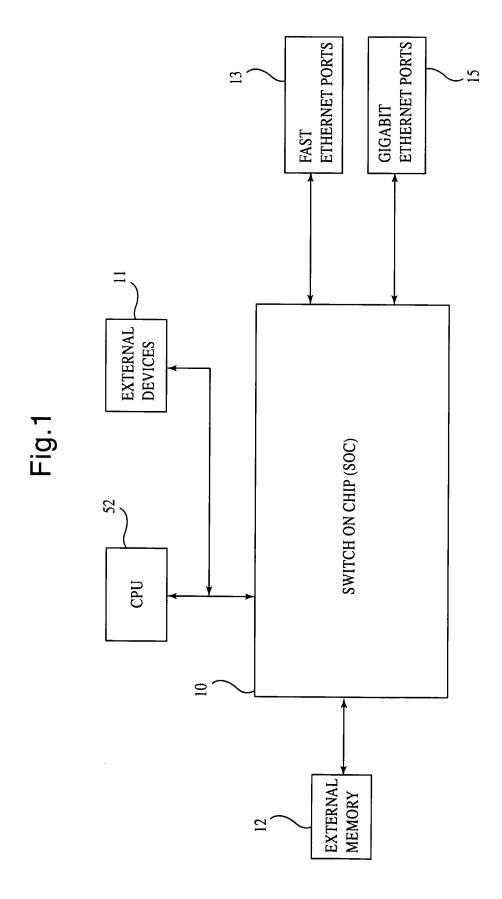
Appl. No. 09/606,200 Art Unit 2662 Replacement Sheet



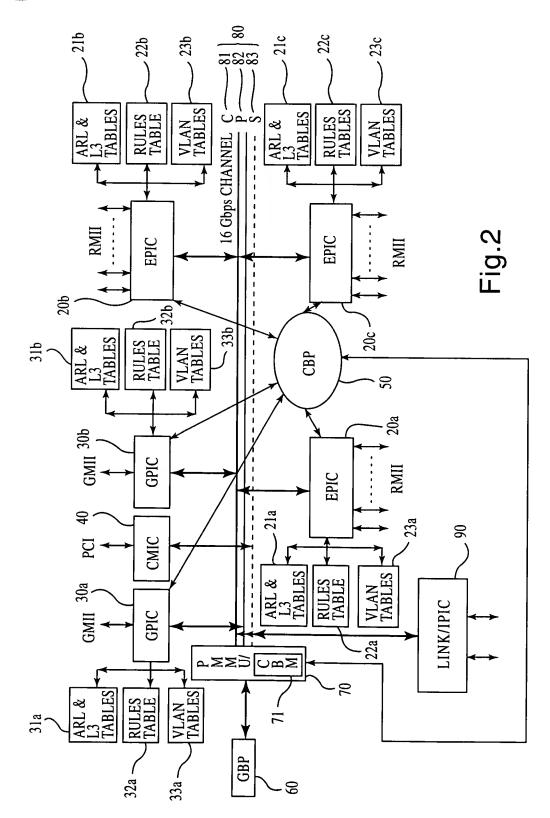
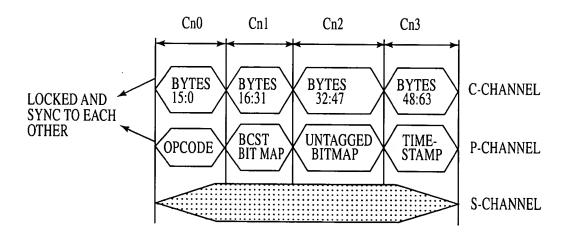




Fig.3



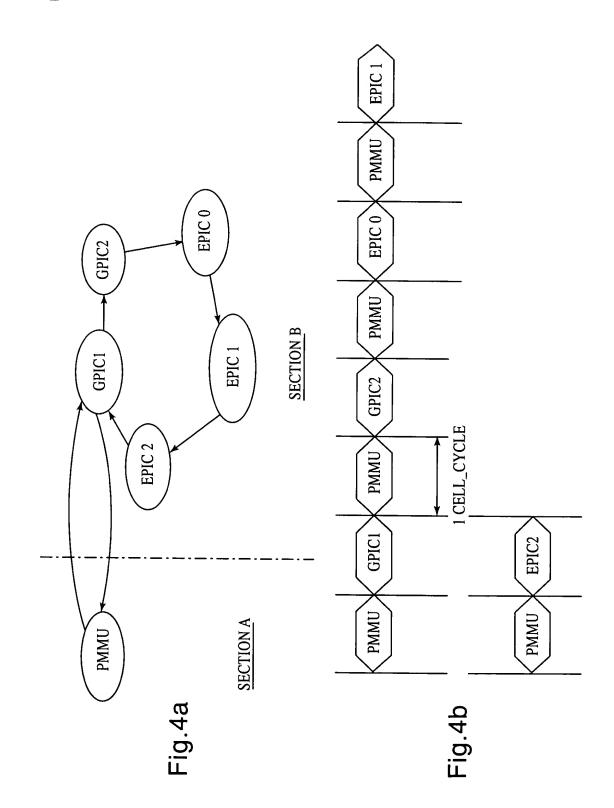




FIG.5

PROTOCOL CHANNEL MESSAGES

30	28	76	24		22 20 18 16 14	18	16	14	l		10	∞	12 10 8 6 4	<u> </u>	4	2	0
OP CODE	I I P P X	RESERVED	NXT		SRC DEST PORT		COS J	<u>-</u>	S	S E CR P O	80	Ь	0			LEN	
												$\left\{ \ \right $					
30	28	26	24	22	20	20 18 16 14	16	14	12		10	∞	9 8	_		2	0
RESE	RVED						BCA	BC/MC PORTBITMAP	RTBII	MAP				-	1		

		P	TIME STAMP	TIME						ES	CPU OPCODES	CPU (
0	2	4	9	8	10	12	14	16	18	70	22	24	26	28	8
	;								i						
		5)	(BITO	MBER	ORT NU	UNTAGGED PORTBITMAP/SRC PORT NUMBER (BIT05)	ITMAF	PORTB	AGGED	/LNN				RES	

20

22

26



Fig.6

SIDE BAND CHANNEL MESSAGES

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
OF	PCODI	Ε		T PORT TINATI ' ID		SRC	PORT			DataL	en	Е	ECODE	COS	C
						A	DDRE	SS							
							DATA	1							



Fig.7 PRIOR ART

LAYER SEVEN-APPLICATION

LAYER SIX-PRESENTATION

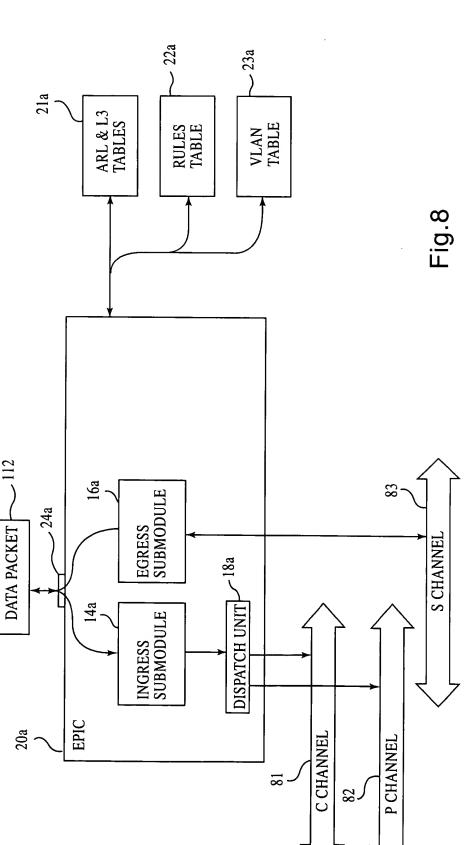
LAYER FIVE-SESSION

LAYER FOUR-TRANSPORT

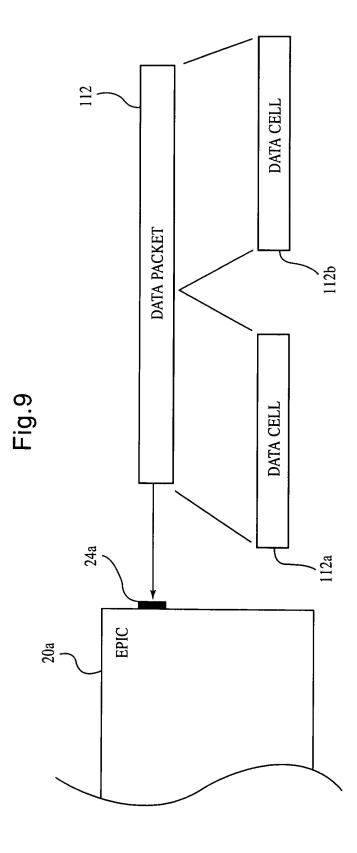
LAYER THREE-NETWORK

LAYER TWO-DATA LINK

LAYER ONE-PHYSICAL



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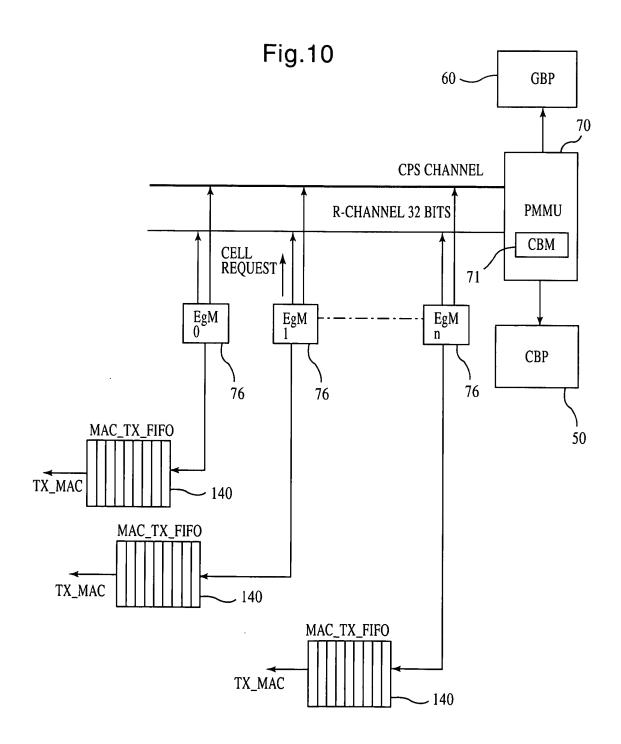




Fig. 11

LINE 0 —	FC LC BC/MC Cpy_cnt (5b) Cell_length (7b) CRC (2b) NC_header (16b) Src Count (6) IPX IP Time_Stamp (14b) O bits (2b) P NextCellLen(2b) CpuOpcode(4b) Cell_data (0-9B)
LINE 1 —	Cell_data (10-27) Bytes
LINE 2	Cell_data (28-45) Bytes
LINE 3	Cell_data (46-63) Bytes

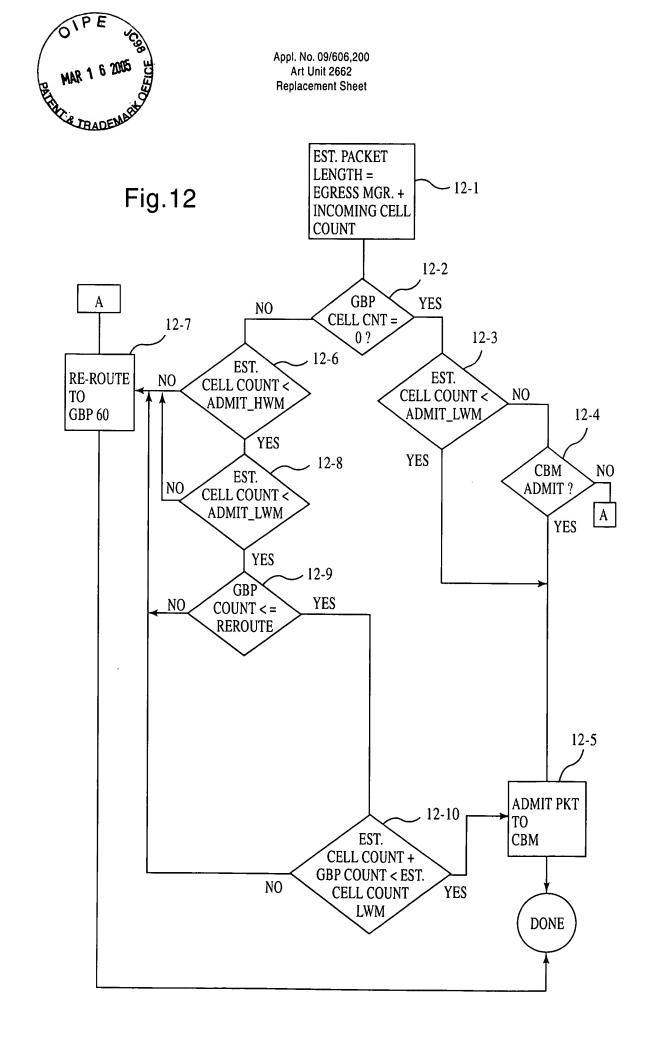


Fig.13

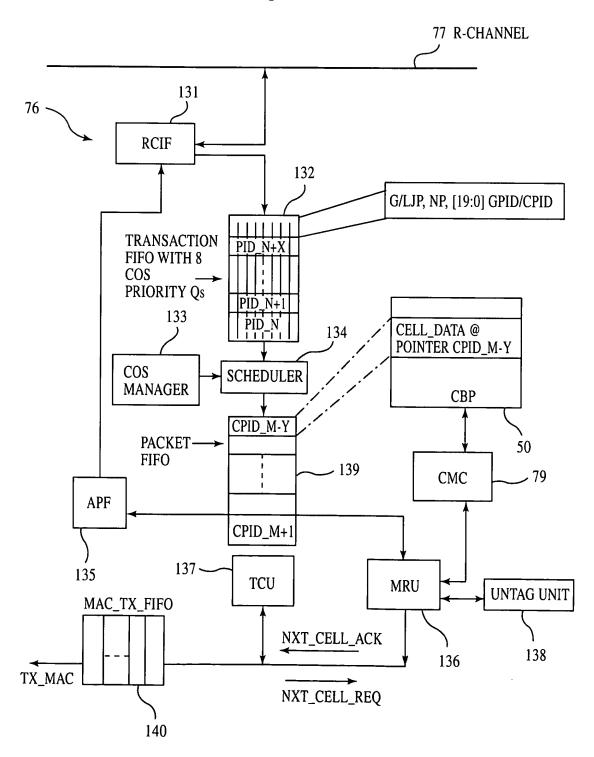


Fig.14

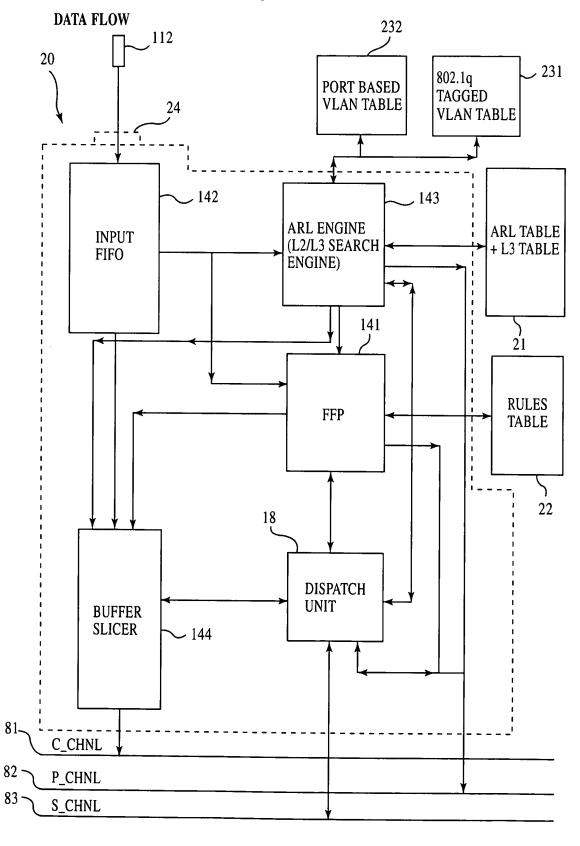
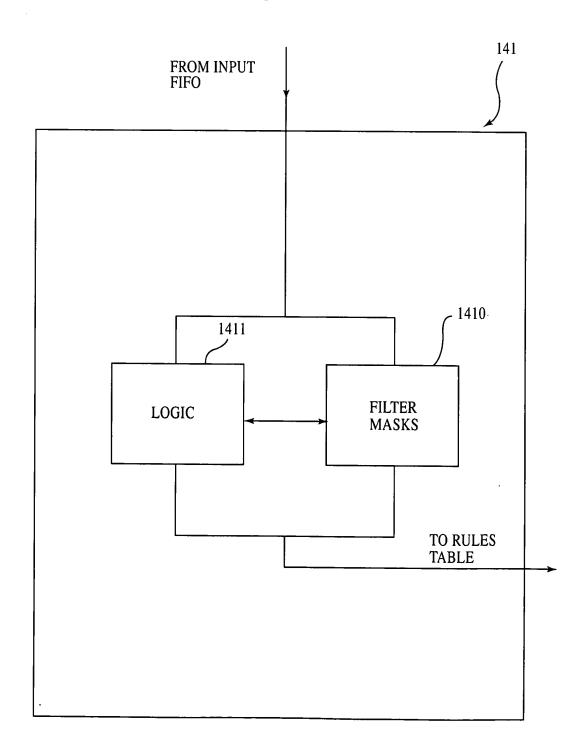
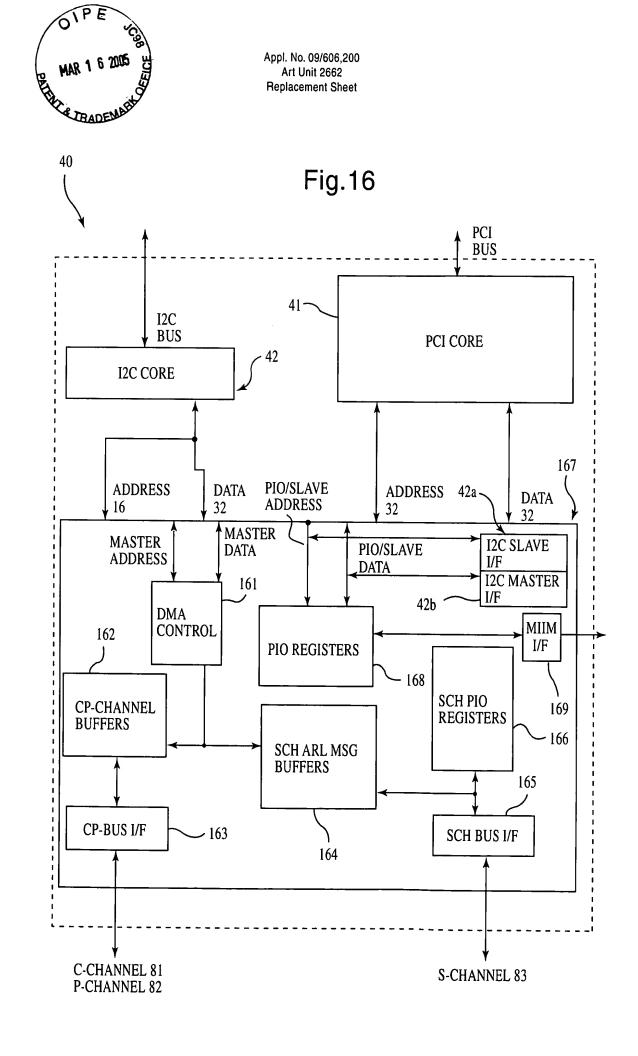




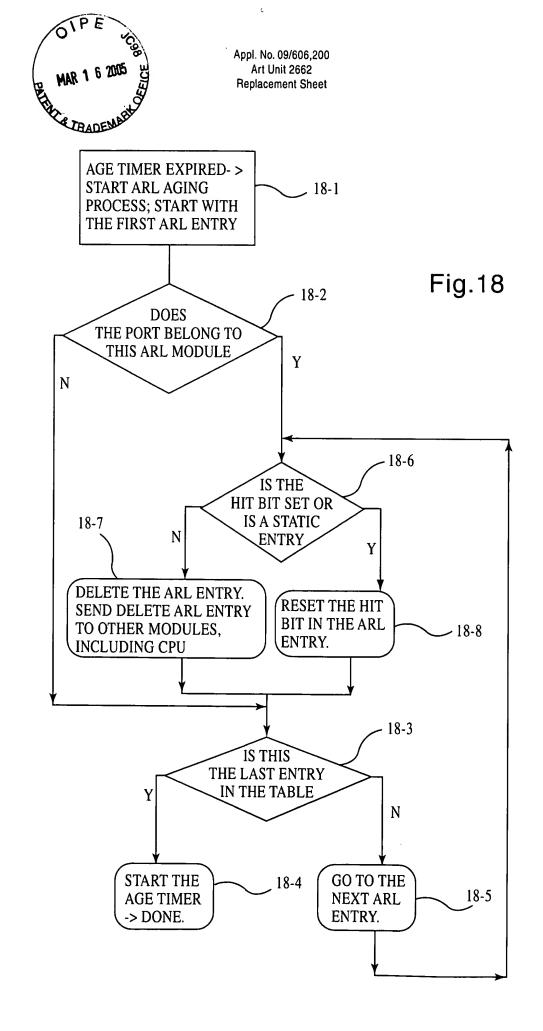
Fig.15







FFP PROGRAMMING FLOW CHART Fig.17 17-1 **FFP PROGRAMMING IDENTIFY ALL THE** PROTOCOL FIELDS 17-2 OF INTEREST. **DETERMINE PACKET** 17-3 TYPE AND FILTER CONDITIONS. **CONSTRUCT FILTER** 17-4 MASK DEPENDING ON FILTER CONDITIONS AND PACKET TYPE. SELECT INCLUSIVE OR 17-5 **EXCLUSIVE FILTER DEPENDING ON** PROBLEM TYPE. 17-7 17-6 FILTER FILTER ON INGRESS - NO NO **ON EGRESS PORT** PORT 17-8 YES YES **USE INGRESS USE EGRESS** PORT MASK MASK 17-9 **CONSTRUCT RULES** 17-10 TABLE ENTRY. **INSERT THIS ENTRY** 17-11 INTO RULES TABLE.





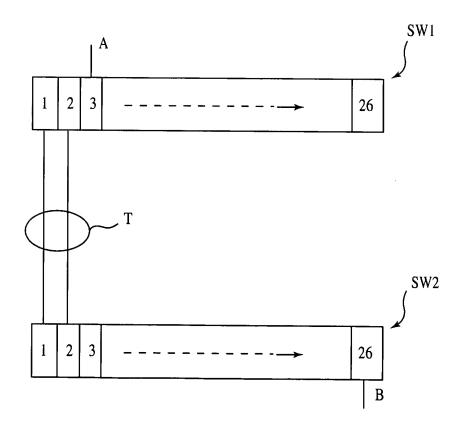
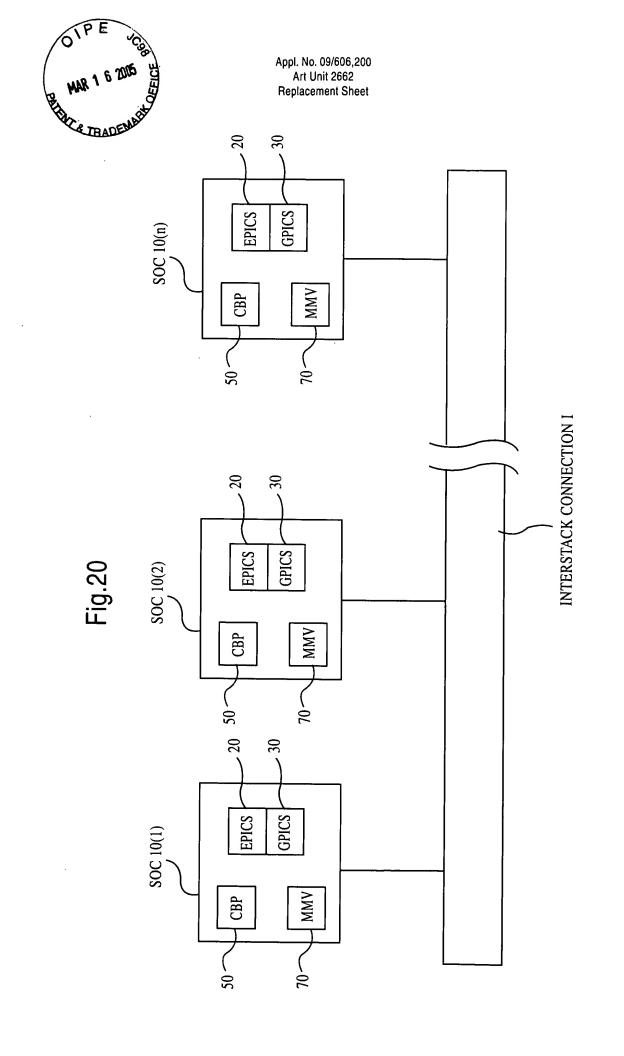


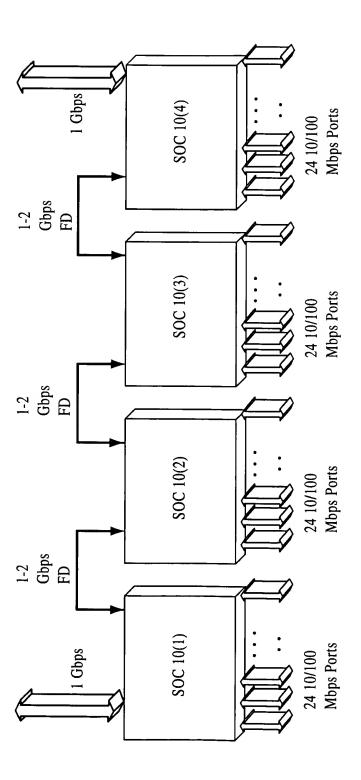
Fig.19





1 Gbps SOC 10(4) 24 10/100 Mbps Ports 2004 2003 SOC 10(3) 24 10/100 Mbps Ports 1 Gbps Fig.21 2005 SOC 10(2) 24 10/100 Mbps Ports 1 Gbps 2001 SOC 10(1) 24 10/100 Mbps Ports 1 Gbps 2000

Fig.22





1 Gbps SOC 10(4) 24 10/100 Mbps Ports 1-2 Gbps FD SOC 10(3) 24 10/100 Mbps Ports 1-2 Gbps FD SOC 10(2) 24 10/100 Mbps Ports 1-2 Gbps FD SOC 10(1) 24 10/100 Mbps Ports 1 Gbps |

Fig.23



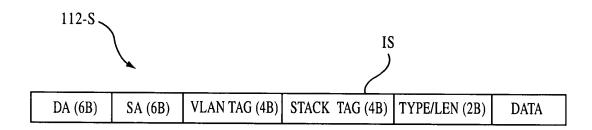


Fig.24A

IS

STACK COUNT (5b)	SRC_ T (1b)	SRC_ TGID (3b)	SRC_ RTAG (3b)	DST_ T (1b)	DST_ TGID (3b)	DST_ RTAG (3b)	PFM (2b)	M (1b)	MD (1b)	Res (9)
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Fig.24B

Fig.25

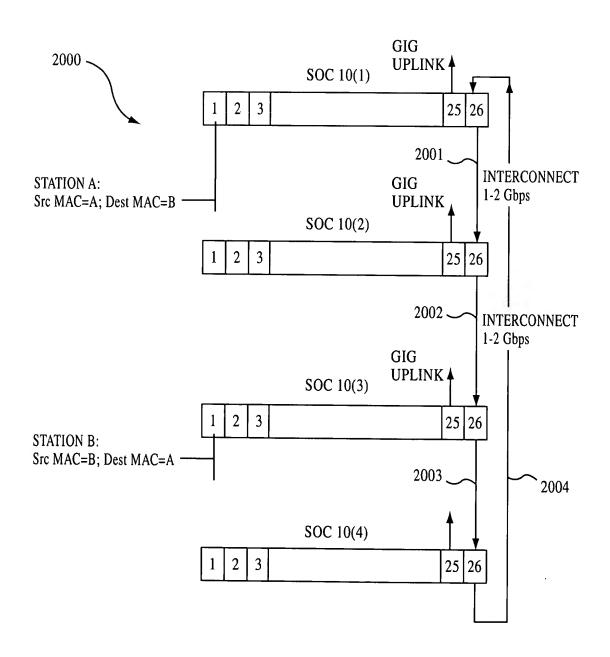




Fig.26

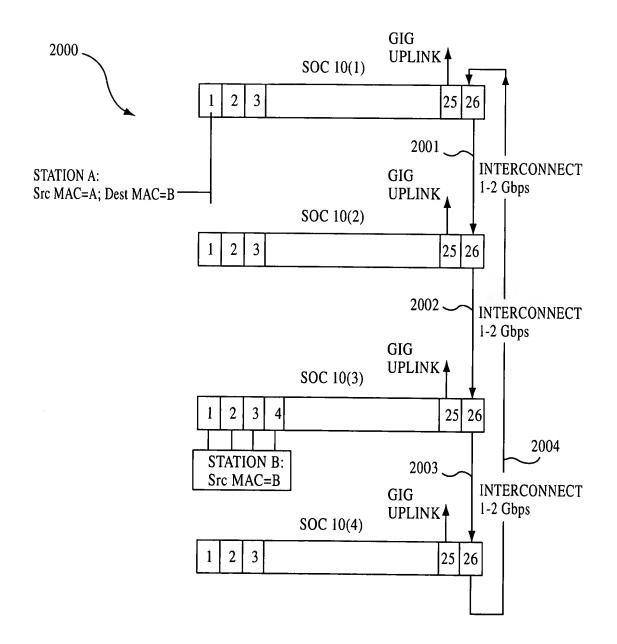




Fig.27A

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
1	A	1	0	· X	X
26	В	1	1	2	2

Fig.27B

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
26	A	1	0	X	Х
26	В	1	1	2	2

Fig.27C

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
26	A	1	0	X	Х
1	В	1	1	2	2

Fig.27D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	Х
26	В	1	1	2	2

Fig.28

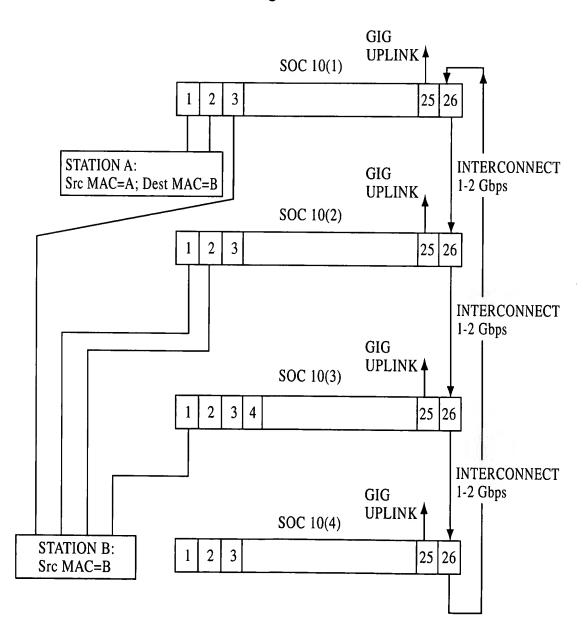




Fig.30

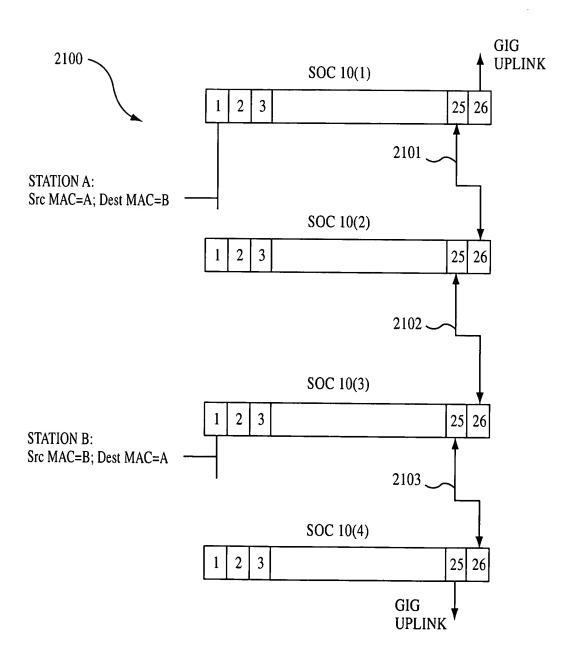




Fig.31

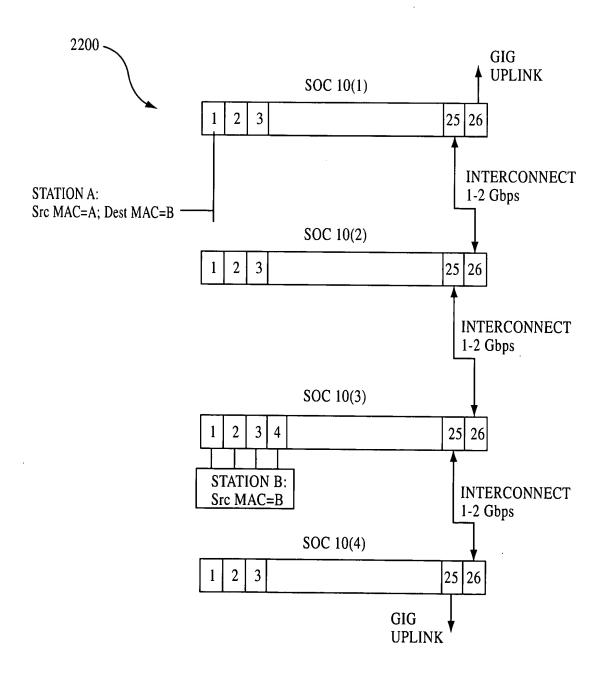


Fig.32A

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
1	Α	1	0	X	X
25	В	1	1	2	2

Fig.32B

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
26	A	1	0	X	X
25	В	1	1	2	2

Fig.32C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	Α	1	0	X	X
1	В	1	1	2	2

Fig.32D

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
26	A	1	0	Х	X



Fig.33

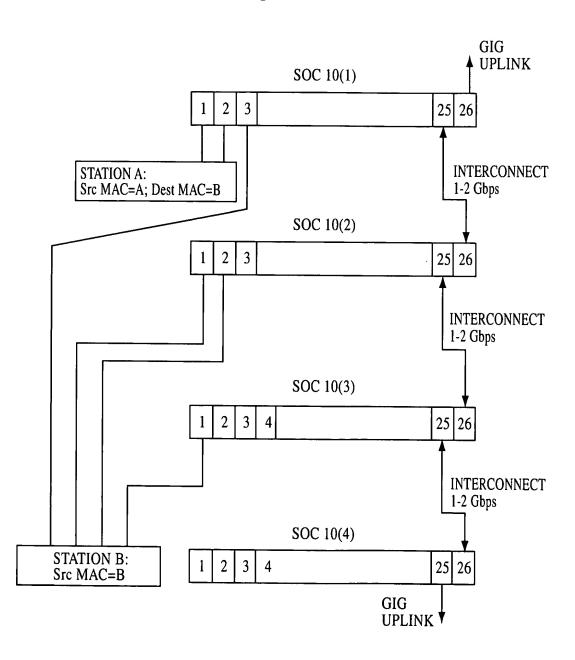


Fig.34A

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
1	Α	1	1	1	1
25	В	1	1	2	2

Fig.34B

PORT NUMBER	MAC ADDRESS	VLAN ID	Т	TGID	RTAG
26	Α	1	1	1	1
25	В	1	1	2	2

Fig.34C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	Α	1	1	1	1
1	В	1	1	2	2

Fig.34D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1



Fig.35

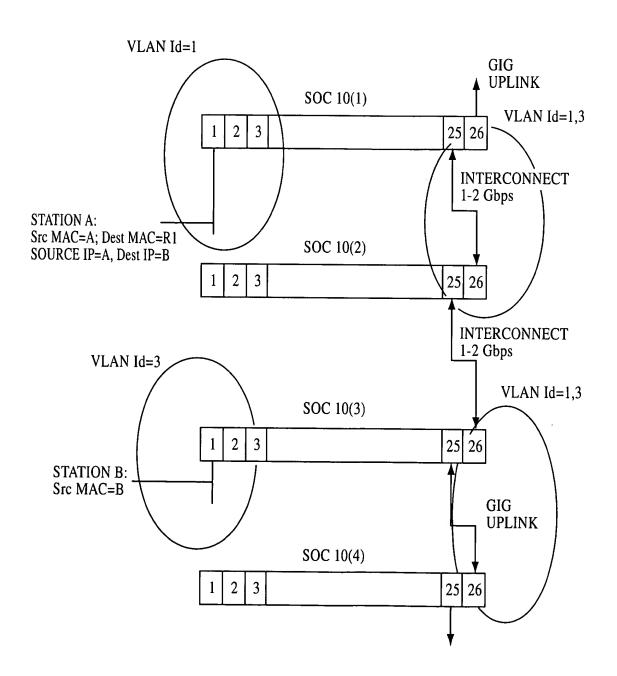


Fig.36

TRUNK GROUP TABLE FOR SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	25	25	25	25	X	X	X	X	4

TRUNK GROUP TABLE FOR SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	25	25	25	25	X	X	X	X	4

TRUNK GROUP TABLE FOR SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	1	2	3	4	X	X	X	X	4

TRUNK GROUP TABLE FOR SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	26	26	26	26	Χ	X	X	X	4

Fig.37

TRUNK GROUP TABLE FOR SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
_1	1	2	X	X	Χ	Χ	Χ	Χ	2
2	25	25	25	3	X	X	X	X	4

TRUNK GROUP TABLE FOR SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	Χ	Χ	Χ	Χ	2
2	25	1	2	26	X	X	X	Χ	4

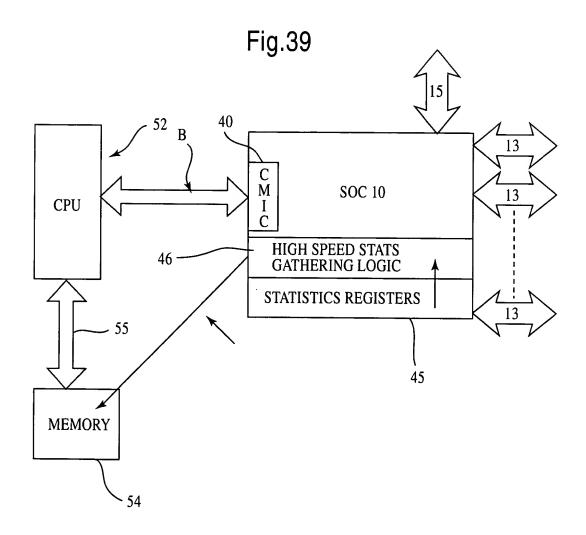
TRUNK GROUP TABLE FOR SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	X	X	Χ	Χ	2
2	1	26	26	26	X	X	X	X	4

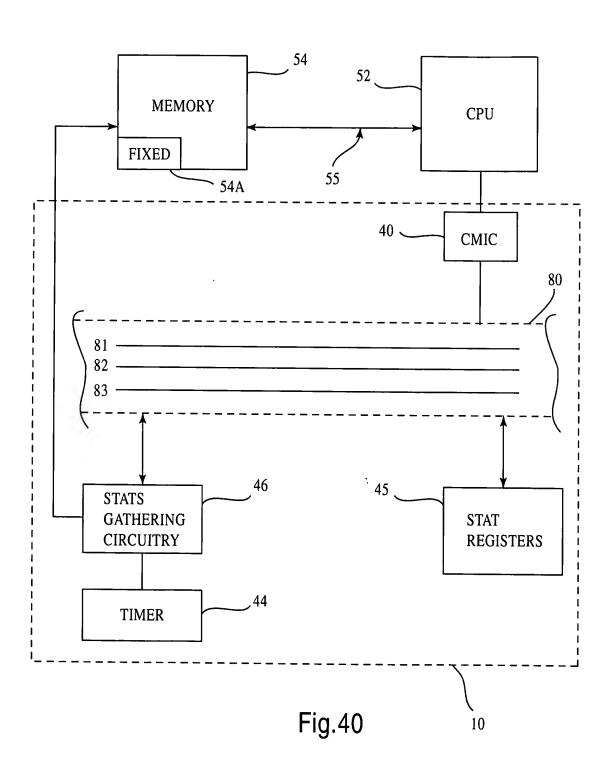
TRUNK GROUP TABLE FOR SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	X	X	Х	X	2
2	26	26	26	26	X	X	X	X	4

Fig.38







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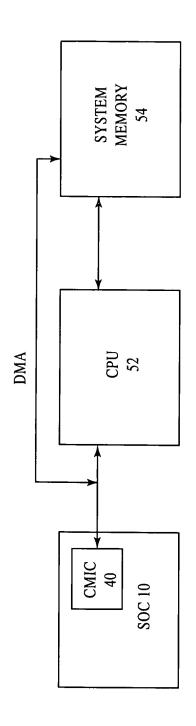


Fig.41

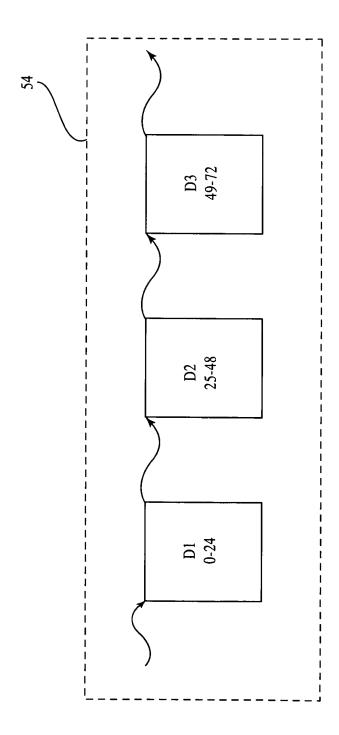


Fig.42

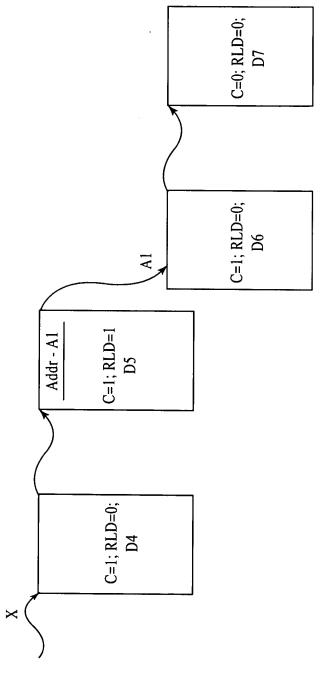


Fig.43